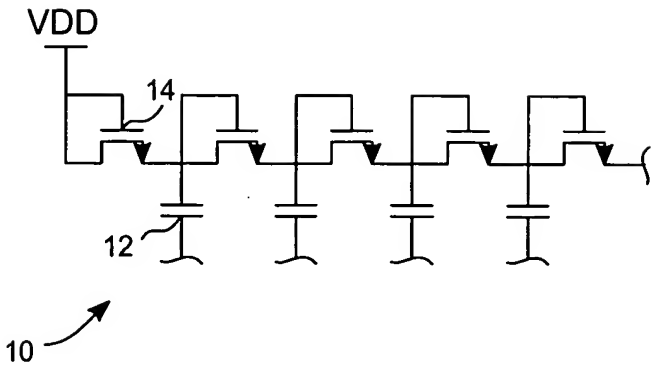

Fig._1 *(PRIOR ART)*

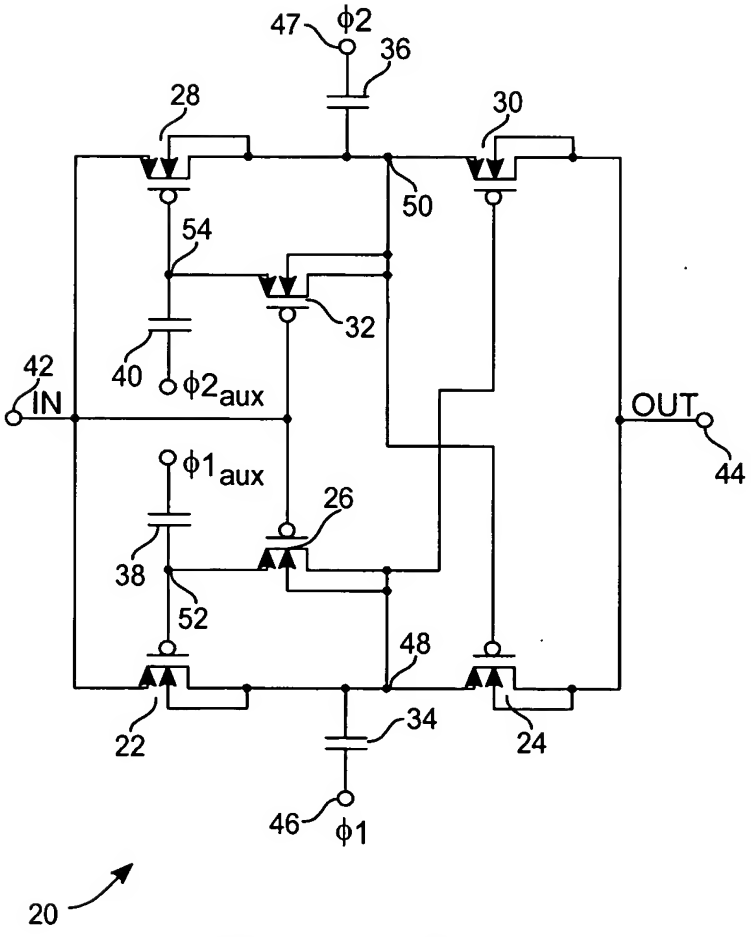

Fig._2A

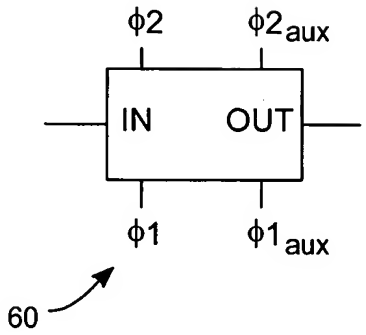

Fig._2B

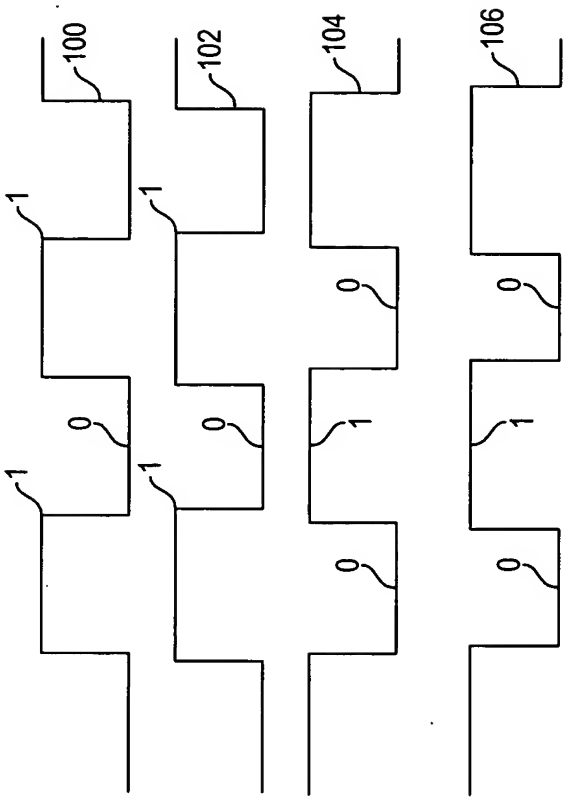

Fig._3A Fig._3B Fig._3C Fig._3D

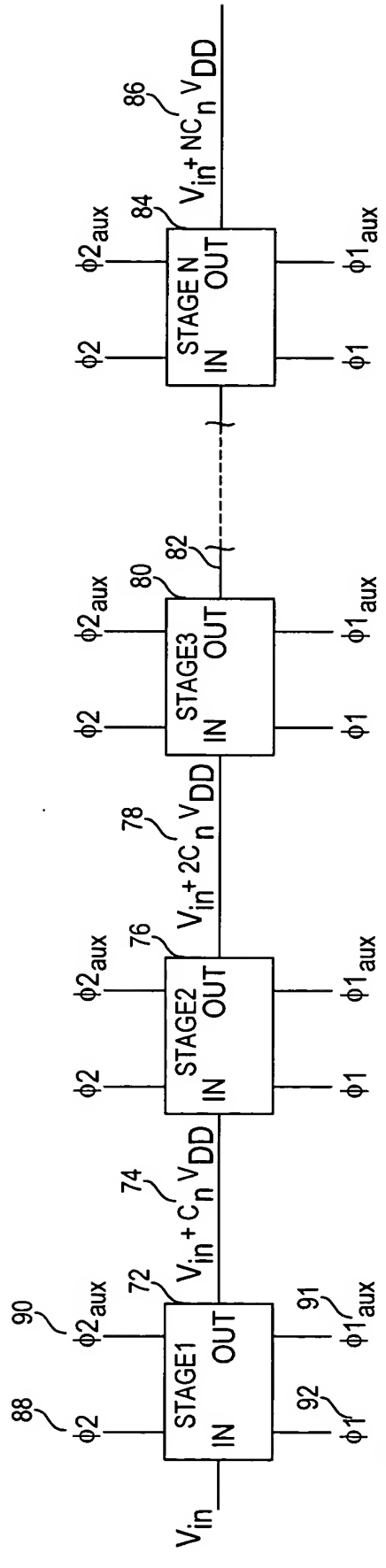

Fig._4

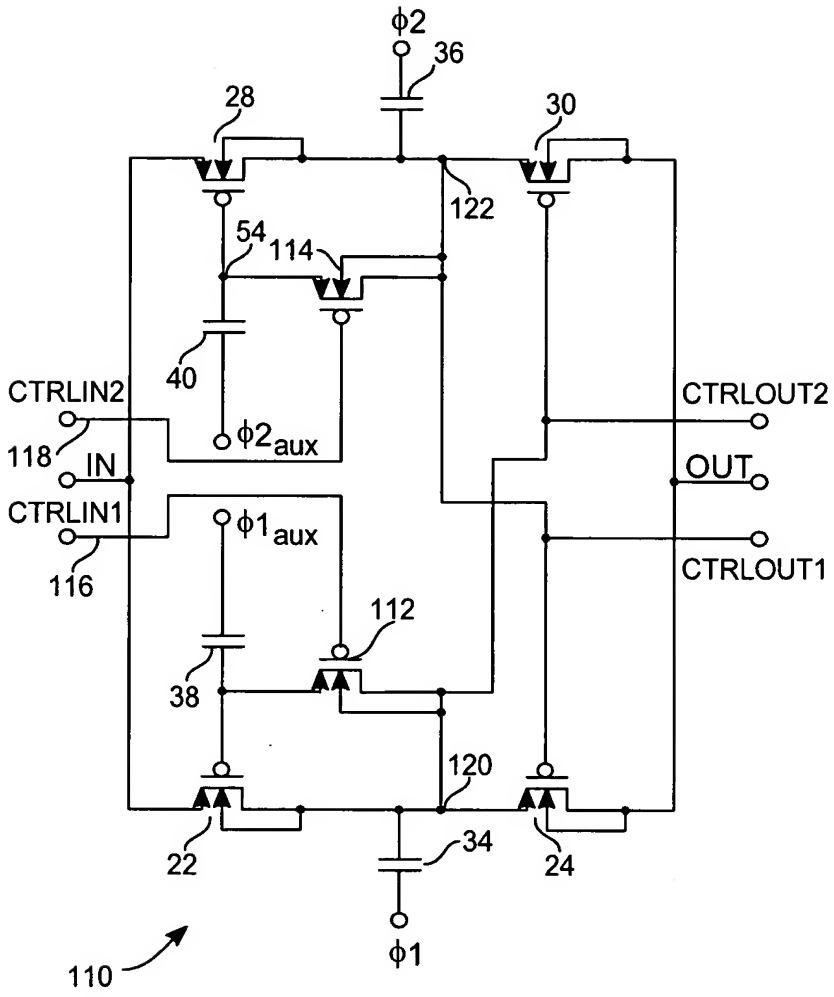
ϕ2
36
28
30
122
54
114
40
CTRLIN2
ϕ2aux
CTRLOUT2
118
IN
OUT
CTRLIN1
ϕ1aux
CTRLOUT1
116
112
38
120
22
34
24
ϕ1
110

Fig. 5A

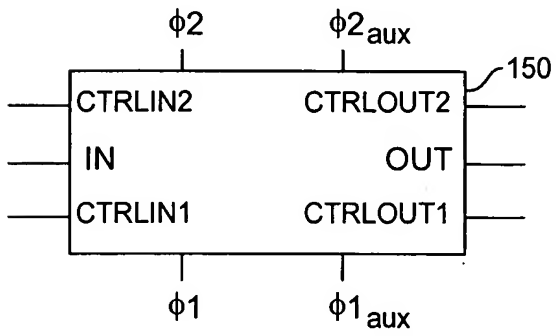
ϕ2
ϕ2aux
150
CTRLIN2
CTRLOUT2
IN
OUT
CTRLIN1
CTRLOUT1
ϕ1
ϕ1aux

Fig. 5B

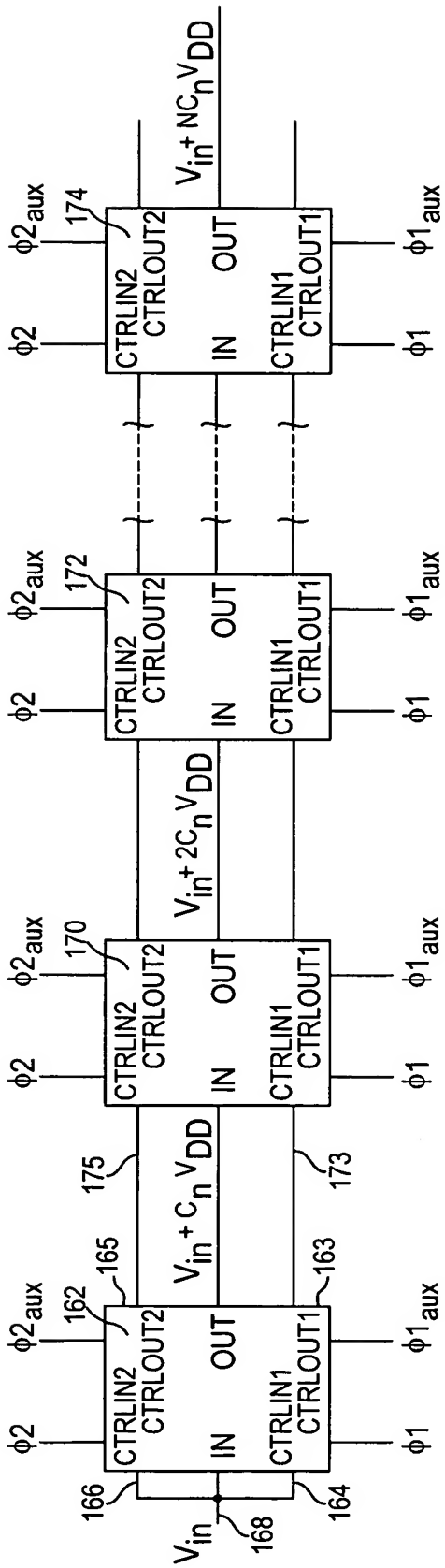
V_{in}
166
168
164
160
$\phi 2$
$\phi 2_{aux}$
$\phi 1$
$\phi 1_{aux}$
CTRLIN2
CTRLOUT2
CTRLIN1
CTRLOUT1
IN
OUT
162
165
163
$V_{in}+C_n V_{DD}$
175
173
170
$V_{in}+2C_n V_{DD}$
172
$V_{in}+3C_n V_{DD}$
174
$V_{in}+NC_n V_{DD}$

Fig. 6